



# Material Composition Declaration

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This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.

Adobe Reader version 7.0.5 is required to complete this declaration.

1752-2 1.1	IPC Web Site for Information on IPC-1752 Standard <a href="http://www.ipc.org/IPC-175x">http://www.ipc.org/IPC-175x</a>	Form Type * Distribute	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informat
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## Supplier Information

Company Name *	Company Unique ID	Unique ID Authority	Response Date *	Response Document ID				
NIC Components Corp.			2020-03-19					
Contact Name *	Title - Contact	Phone - Contact *	Email - Contact *	Duplicate Contact -> Authorized Representative				
Michael Mack	Product Engineer	631-396-7500	mike.mack@niccomp.com					
Authorized Representative *	Title - Representative	Phone - Representative *	Email - Representative *	Supplier Comments or URL for Additional Information				
Michael Mack	Product Engineer	631-396-7500	mike.mack@niccomp.com					
Requester Item Number	Mfr Item Number	Mfr Item Name	Effective Date	Version	Manufacturing Site	Weight *	UOM	Unit Type
	NCST-A0603 Series Suffix "F"		2004-10-01			0.00199	g	Each
Alternate Recommendation				Alternate Item Comments				

## Manufacturing Process Information

Terminal Plating / Grid Array Material	Terminal Base Alloy	J-STD-020 MSL Rating	Peak Process Body Temperature	Max Time at Peak Temperature	Number of Reflow Cycles
Matte Tin (Sn) - with Nickel (Ni) barrier	Not Applicable	1	260 C	10 seconds	2
Comments					
Matte Sn over Ni over Cu					

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Lock Supplier Fields

### RoHS Material Composition Declaration

Declaration Type \*

Detailed

**RoHS Directive 2002/95/EC** **RoHS Definition:** Quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium

Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2002/95/EC and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance in excess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.

**RoHS Declaration \*** 4 Item(s) does not contain RoHS restricted substances per the definition above except for selected exemptions

**Supplier Acceptance \*** Accepted

**Exemptions:** If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.

Exemption List Version EL-2006/690/EC

+ 7c Lead in electronic ceramic parts (e.g. piezoelectronic devices).

### Declaration Signature

**Instructions:** Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.

Supplier Digital Signature

**MATTHEW CIESINSKI**  
Digitally signed by Matthew Ciesinski, cn=US  
DN: cn=Matthew Ciesinski, o=NIC Components Corp., ou=TPMG,  
Date: 2014.05.20 13:30:47 -0400

## Homogeneous Material Composition Declaration for Electronic Products

**SubItem Instructions:** The presence of any JIG Level A or B substances must be declared. [1] indicate the subpart in which the substance is located, [2] provide a description of the homogeneous material [3], enter the weight of the homogeneous material.

**Substance Instructions:** [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).

**Line Functions:** +I Inserts a New Item /SubItem +M Inserts a new Material +C Inserts a new Substance Category +S Inserts a new Substance - Deletes the element line

Item/SubItem Name	Homogeneous Material	Weight	Unit of Measure	Level	Substance Category	Substance	CAS	Exempt	Weight	Unit of Measure	Tolerance		PPM
											-	+	
+I -I NCST-A0603 Series	+M -M Substrate	1.70806	mg	+C -C Supplier	Ceramic	+S -S Alumina	1344-28-1		1.63974	mg			
				+S -S	SIO2	14808-60-7			0.05124	mg			
				+S -S	MgO	1309-48-4			0.01708	mg			
+M -M Upside Electrode	0.05203 mg	+C -C Supplier	Metals	+S -S Silver	7440-22-4				0.05151	mg			
		+S -S Pd		7440-05-3					0.00052	mg			
+M -M Backside Electrode	0.00549 mg	+C -C Supplier	Metals	+S -S Silver	7440-22-4				0.00549	mg			
+M -M Edge Electrodes	0.00054 mg	+C -C Supplier	Metals	+S -S Ni	7440-02-0				0.0003	mg			
		+S -S Cr		7440-47-3					0.00024	mg			
+M -M Resistive Element	0.04893 mg	+C -C Supplier	Paste	+S -S RuO2	12036-10-1				0.01615	mg			
		+S -S PbO		1317-36-8	7c. Lead	0.00636	mg						
		+S -S Ag		7440-22-4		0.01321	mg						
		+S -S Glass Frit		65997-18-4		0.01321	mg						
+M -M Nickel Plating	0.06993 mg	+C -C Supplier	Metals	+S -S nickel	7440-02-0				0.06993	mg			
+M -M Tin Plating	0.06993 mg	+C -C Supplier	Metals	+S -S Tin	7440-31-5				0.06993	mg			
+M -M Primary Overcoat	0.00707 mg	+C -C Supplier	Glass	+S -S Glass Frit	65997-18-4				707	mg			
+M -M Secondary Overcoat	0.02613 mg	+C -C Supplier	Metals	+S -S Bisphenol A type epoxy	25068-38-6				0.00993	mg			
		+S -S Carbon black		1333-86-4		0.00157	mg						
		+S -S Silicon dioxide Additive		60676-86-0		0.01307	mg						
		+S -S Additives				0.0157	mg						
+M -M Marking	0.00189 mg	+C -C Supplier	Liquid	+S -S Bisphenol A type epoxy	25068-38-6				0.00151	mg			
		+S -S TiO2		13463-67-7		0.00038	mg						